1998, now abandoned, the entire content of each of these provisional

applications are incorporated herein by reference.

Please replace the paragraph beginning on page 11, line 15 with the

following new paragraph: -A signal from a mobile station (a mobile signal)

received at a base station receive antenna 122 is amplified in a base RF receive

124 and demodulated in a spread spectrum demodulator 128 using the same

PN-code used by the mobile RF transmitter 118 to D-spread the signal. The

demodulated symbols are D-interleaved by a channel D-interleaved 130 an

input to a Viterbi decoder 132. The decoded information bit are reconstructed

into receive data blocks 136 and forwarded to the data terminal equivalent at

the receive end of the system.

Please replace the paragraph beginning on page 28, line 30 with the

following new paragraph: -Figure 30 shows exemplary performance curves

of the above four (4) candidate puncturing Patterns 5, 6, 7 and 8 for rate 3/8

Turbo Codes. Based on these results, a Pattern 8 FER curve 3010 and

analogous curves demonstrate that Pattern 8 is the optimal puncturing Pattern

for rate 3/8 Turbo Codes.

IN THE CLAIMS:

Please cancel claim 1 and add new claims 18-40 as follows:

18. (New) A method of processing data in data services with a set of

rate-compatible Turbo Codes optimized at high code rates and derived from a

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